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## NOTICE OF ALLOWANCE AND FEE(S) DUE

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07/19/2008

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.  
1940 DUKE STREET  
ALEXANDRIA, VA 22314

EXAMINER

BONSHOCK, DENNIS G

ART UNIT

PAPER NUMBER

2173

DATE MAILED: 07/10/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,223	11/17/2003	Kirsten Kopitzke	245121US41CONT	2458

TITLE OF INVENTION: USER INTERFACE, SYSTEM AND COMPUTER PRODUCT FOR MONITORING AIRCRAFT CABIN SYSTEMS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/10/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to:** **Mail** **Mail Stop ISSUE FEE**  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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22850 7590 07/10/2008

**OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.**  
**1940 DUKE STREET**  
**ALEXANDRIA, VA 22314**

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/713,223	11/17/2003	Kirsten Kopitzke	245121US41CONT	2458
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**TITLE OF INVENTION: USER INTERFACE, SYSTEM AND COMPUTER PRODUCT FOR MONITORING AIRCRAFT CABIN SYSTEMS**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/10/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
BONSHOCK, DENNIS G	2173	715-810000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB-122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB-47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_  
Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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BONSHOCK, DENNIS G				
ART UNIT			PAPER NUMBER	
2173				

DATE MAILED: 07/10/2008

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.  
1940 DUKE STREET  
ALEXANDRIA, VA 22314

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 861 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 861 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

## Application No.

10/713,223

## Examiner

DENNIS G. BONSHOCK

## Applicant(s)

KOPITZKE ET AL.

## Art Unit

2173

### - The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Applicant's Amendment filed on 3-3-2008 and the Examiner's Amendment of 5-9-2008.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/871,032.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Edwin Garlepp on 5-9-2008.
3. The application has been amended as follows:

Please replace "portion thereof, or a separate cabin system control computer. In response to the user inputs" on page 3, line 8, with -- portion thereof, or a separate cabin system control computer, wherein program instructions for execution on the computer are stored on a computer readable medium. In response to the user inputs --

Please replace Claim 1 with:

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Claim 1: A user interface for monitoring and controlling a plurality of aircraft cabin systems, comprising:

a liquid crystal display screen having a display surface configured to provide an input to said user interface when touched by a user of the user interface;

a general display area provided on the display surface and displaying a main menu that includes a subset of the plurality of aircraft cabin systems, selected by the user from among the plurality of aircraft cabin systems, which includes a first system image showing status information for a first system of the plurality of aircraft cabin systems, and a second system image showing status information for a second system of the plurality of aircraft cabin systems, wherein at least the first system

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image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

a plurality of touch sensitive input keys arranged on a scroll bar and provided on the display surface, each key labeled with a symbol identifying a respective one of said plurality of aircraft cabin systems including the first and second aircraft cabin systems;

a first system menu associated with the first system of said plurality of aircraft cabin systems, the first system menu being displayable on said display screen as a first system graphical menu when the touch sensitive key identifying the first system is activated by the user and when the first system image spatial map is touched by the user and also when a predescribed succession plan or display sequence automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems;

said first system graphical menu including status information and operating functions of said first system and at least one input area configured to provide at least one of selection and control of said operating functions of said first system when touched by said user; and

a second system menu associated with the second system of said plurality of aircraft cabin systems, the second system menu being displayable on said display screen as a second system graphical menu when the touch sensitive key identifying the second system is activated by the user and when the second system image is touched by the user and also when the predescribed succession plan or display sequence automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said second system graphical menu including status information and operating functions of said second system and at least one input area configured to provide at least one of selection and control of said operating functions of said second system when touched by said user.

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Please replace Claim 7 with:

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Claim 7: A system for monitoring and controlling a plurality of aircraft cabin systems, comprising:

a liquid crystal display screen having a display surface configured to provide an input to said system when touched by a user of the user interface;

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a general display area provided on the display surface and displaying a main menu that includes a subset of the plurality of aircraft cabin systems, selected by the user from among the plurality of aircraft cabin systems, which includes a first system image showing status information for a first system of the plurality of aircraft cabin systems, and a second system image showing status information for a second system of the plurality of aircraft cabin systems, wherein at least the first system image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

a plurality of touch sensitive input keys arranged on a scroll bar and provided on the display surface, each key labeled with a symbol identifying a respective one of said plurality of aircraft cabin systems including the first and second aircraft cabin systems;

a computer including software to be executed on the computer, wherein the computer is configured to:

display on said display screen a first system graphical menu associated with the first system of said plurality of aircraft cabin systems when the touch sensitive key identifying the first system is activated by the user and when the first system image spatial map is touched by the user and also when a prescribed succession plan or display sequence automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said first system graphical menu including status information and operating functions of said first system and at least one input area,

provide at least one of selection and control of said operating functions of said first system when the input area of the first system graphical menu is touched by said user,

display on said display screen a second system graphical menu associated with the second system of said plurality of aircraft cabin systems when the touch sensitive key identifying the second system is activated by the user and when the second system image is touched by the user and also when the prescribed succession plan or display sequence automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said second system graphical menu including status information and operating functions of said second system and at least one input area, and

provide at least one of selection and control of said operating functions of said second system when the input area of the second system graphical menu is touched by said user.

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Please replace Claim 12 with:

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Claim 12: A system for monitoring and controlling a plurality of aircraft cabin systems, comprising:

means for displaying simultaneously a main menu including a subset of the plurality of aircraft cabin systems, selected by the user from among the plurality of aircraft cabin systems, which includes a first system image showing status information for a first system of the plurality of aircraft cabin systems, a second system image showing status information for a second system of the said plurality of aircraft cabin systems, and a plurality of input keys arranged on a scroll bar and each labeled with a symbol identifying a respective one of said plurality of aircraft cabin systems, wherein at least the first system image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

means for causing said means for displaying to display a first system graphical menu associated with a first system of said plurality of aircraft cabin systems in response to a user touching the first system image spatial map and in response to the user touching the input key identifying the first system and also in response to a prescribed succession plan or display sequence which automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said first system graphical menu including status information and operating functions of said first system and at least one input area providing at least one of selection and control of said operating functions of said first system when the input area of the first system graphical menu is touched by said user; and

means for causing said means for displaying to display a second system graphical menu associated with a second system of said plurality of aircraft cabin systems in response to a user touching the second system image and in response to the user touching the input key identifying the second system and also in response to a prescribed succession plan or display sequence which automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said second system graphical menu including status information and operating functions of said second system and at least one input area providing at least one of selection and control of said operating functions of said second system when the input area of the second system graphical menu is touched by said user.

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Please replace Claim 17 with:

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Claim 17 (Currently Amended): A computer readable medium containing program instructions for execution on a computer controlled system for monitoring and controlling a plurality of aircraft cabin systems, which when executed by the system, cause the system to perform the following:

display a main menu simultaneously including a subset of the plurality of aircraft cabin systems, selected by the user from among the plurality of aircraft cabin systems, which includes a first system image showing status information for a first system of the plurality of aircraft cabin systems, and a second system image showing status information for a second system of the plurality of aircraft cabin systems, wherein at least the first system image is a spatial map of the aircraft cabin showing status information for the first system at different locations within the aircraft cabin;

display a first system graphical menu associated with the first system of said plurality of aircraft cabin systems in response to user input to a touch sensitive key arranged on a scroll bar and identifying the first system and in response to the user touching the first system image spatial map and also in response to a predescribed succession plan or display sequence which automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said first system graphical menu including status information and operating functions of said first system, and at least one touch sensitive input area;

perform at least one of selection and control of said operating functions of said first system in response to user activation of said touch sensitive area of the first system graphical menu;

display a second system graphical menu associated with the second system of said plurality of aircraft cabin systems in response to user input to a touch sensitive key arranged on the scroll bar and identifying the second system and in response to the user touching the second system image and also in response to a predescribed succession plan or display sequence which automatically successively displays system graphical menus corresponding to the plurality of aircraft cabin systems, said second system, graphical menu including status information and operating functions of said second system and at least one touch sensitive input area; and

perform at least one of selection and control of said operating functions of said second system in response to user activation of said touch sensitive area of the second system graphical menu.

***Terminal Disclaimer***

The terminal disclaimer filed on 3-3-2008 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of any patent granted on Application Number 10/713,224 has been reviewed and is accepted. The terminal disclaimer has been recorded.

**REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance:
2. The examiner considered the Applicant's Amendment filed on 3-3-2008 and the Examiner's Amendment of 5-9-2008 and after updated search, no other prior art of record has taught that which was presented in the amended claims
3. Therefore, claims 1-22 are allowable.
4. Independent claims 1, 7, 12, and 17, when considered as a whole, are allowable over the prior art of record (Launey et al., Eriksson et al., and DeMers et al.).

Launey teaches a user interface system that uses a touch screen for monitoring and controlling different aspects of an environment (see column 2, lines 65 through column 3, line 10 and column 4, lines 42-50); and in column 12, lines 13-19, implementing the system in a aircraft. It was noted in the Applicants background section, paragraph 3, that present day aircraft control systems are implemented via liquid crystal display screens. Launey further teaches the display area of the screen contains a plurality of labeled touch sensitive input keys, making a touch screen (see column 4, lines 42-50 and figures 12a-e). These touch keys include keys to control the

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audio, TV, lights, etc. (see figure 12A and column 55, lines 19-28). Launey describes the touch screen to preferably be an Elographics Accutouch touchscreen, which inherently comprises a touch sensitive surface located above a display (as supported by the attached "History of Elo" showing a touch sensitive panel that covers (is adjacent to) the display (see page 4, paragraphs 1-4 of "History of Elo")). Launey further teaches, in column 55, lines 19-35 and figures 12a and 12b, a touch sensitive key of an audio system being pressed from the main menu screen (12a) causing the audio sub-menu screen (12b) to be displayed, for monitoring and controlling the sub-system. Launey further teaches, in column 55, lines 29-35 and column 2, lines 65 through column 3, line 9, the audio sub menu screen allow a user to monitor and control the audio devices via a touch screen, and selectable sub-menu elements. Showing status for systems is pointed out by showing the amount of speakers (see figure 12B); and further pointed out for other optional sub-menus, in column 55, lines 42-48 and in figure 12D, displaying if a tape is in or not; and in figures 3I and 3K displaying whether a system is "READY TO ARM" or "ARMED". Launey further teaches, in column 55, lines 19-28 and lines 49-60 and figures 12a and 12e, a touch sensitive key of a lighting system being pressed from the main menu screen (12a) causing the lighting sub-menu screen (12e) to be displayed. Launey further teaches, in column 55, lines 49-60 and column 2, lines 65 through column 3, line 9, the lighting sub-menu screen allowing a user to monitor and control the lighting devices via a touch screen, and selectable sub-menu elements. Showing status for systems is pointed out by showing the lighting status and scenes (see figure 12E); and further pointed out for other optional sub-menus, in column 55,

lines 42-48 and in figure 12D, displaying if a tape is in or not; and in figures 3I and 3K displaying whether a system is "READY TO ARM" or "ARMED". Launey teaches, in column 2, lines 65 through column 3, line 9, controlling an monitoring different system in the aircraft environment.

Launey is further supplemented by Eriksson who further teaches a display unit for allowing a user to monitor and control multiple diverse aspects of a vehicles environment (climate, audio, etc.), via sub-menus (see column 2, line 66 through column 3, line 10), similar to that of Launey, but further teaches a normal key [30], which provides the display of status information for a plurality of system elements, Specifically, in the example status images are provided, first a driver temperature, second a stereo volume, and finally a passenger temperature (see column 3, lines 10-25 and figure 4).

Launey and Eriksson are further supplemented by DeMers who further teaches a system for controlling various systems in an environment (temperature, lighting, etc.) via a menu and status display (see column 10, lines 20-34), similar to that of Launey and Eriksson, but further teaches displaying status information in the form of a spatial map of an aircraft cabin (see column 4, lines 2-16 and figure 1).

However, specifically the prior art of record fails to clearly teach or support the limitations of displaying a selected subset of aircraft cabin systems in a main menu, including a spatial map of one of the cabin systems, where the cabin systems are selected from the set of all cabin systems. Wherein specific cabin system graphical menus can be displayed via any of: selecting one of the input keys of the scroll bar,

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touching a spatial map, or optionally be displayed as part of the predescribed succession plan or display sequence which automatically successively displays system graphical menus.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DENNIS G. BONSHOCK whose telephone number is (571)272-4047. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dennis Chow can be reached on (571) 272-7767. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dennis G. Bonshock/  
Examiner, Art Unit 2173  
dgb  
5-9-08